

**(WO/2004/111105) TITANIUM-CONTAINING SOLUTIONS, CATALYSTS FOR PRODUCTION OF POLYESTER, PROCESSES FOR PRODUCTION OF POLYESTER RESINS, AND BLOW MOLDINGS OF POLYESTER**

Biblio. Data	Description	Claims	National Phase	Notices	Documents
--------------	-------------	--------	----------------	---------	-----------

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2004/111105 **International Application No.:** PCT/JP2004/008818
Publication Date: 23.12.2004 **International Filing Date:** 16.06.2004

Int. Class.: B29C 49/00 (2006.01), C08G 63/85 (2006.01)

Applicants: MITSUI CHEMICALS, INC. [JP/JP]; 5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo 105-7117 (JP)
(All Except US).
MAEDA, Ken [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP)
(US Only).
NABETA, Takashi [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP) (US Only).
NAGAYAMA, Tokio [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP) (US Only).
HORI, Hideshi; c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome, Waki-cho, Kuga-gun, Yamaguchi 740-0061 (JP) (US Only).

Inventors: MAEDA, Ken [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP).
NABETA, Takashi [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP).
NAGAYAMA, Tokio [JP/JP]; c/o Mitsui Chemicals, Inc., 580-32, Nagaura, Sodegaura-shi, Chiba 299-0265 (JP).
HORI, Hideshi; c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome, Waki-cho, Kuga-gun, Yamaguchi 740-0061 (JP).

Priority Data: 2003-172278 17.06.2003 JP
2004-21875 29.01.2004 JP

Title: TITANIUM-CONTAINING SOLUTIONS, CATALYSTS FOR PRODUCTION OF POLYESTER, PROCESSES FOR PRODUCTION OF POLYESTER RESINS, AND BLOW MOLDINGS OF POLYESTER

Abstract: The invention aims at providing titanium-containing solutions which are excellent in storage stability and contain titanium in high concentrations; a catalyst for the production of polyester which exhibits excellent feeding uniformity and high catalytic performance and does not exert bad influence on the quality of the aliphatic diols to be recovered and reused; a catalyst for the production of polyester which exhibits high catalytic activity and high stability in molding; processes for the production of polyester resins with such catalysts; and blow moldings made of the polyester resins. The first embodiment of the invention is a titanium-containing solution characterized by containing titanium, an aliphatic diol, and a trihydric or higher alcohol, and the second embodiment thereof is a titanium-containing solution wherein the titanium particles contained in the solution have diameters falling within a specific range.

Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
African Regional Intellectual Property Org. (ARIPO) (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ,